

1. BOSC 2017 Nominations	
Self Nomination:	
Yes	
Nominator Information	
First Name	
Last Name	
Nominator Title	
Street Address	
City	
State	
Postal Code	
Email Address	
Phone Number	
Mobile Phone	
Nominee Information	
First Name	
Robert	
Last Name	
Scudder	
Nominee Title	
Ph.D., CIH, CSP, CET, HAZMAT Section Volunteer	
Street Address	
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6	
Employment Information	
Place of Employment/Work:	
Mayes County Emergency Management	

Work Street Address

12 North Rowe

Work City

Pryor

Work State:

Oklahoma

Work Postal Code

74362

Work Phone Number

918-825-4650

Work Email Address

Exemption 6

Sector

Local Government

Qualifications**Primary Area(s) of Expertise**

I have a breadth of knowledge and experience in hazardous chemical management, emergency response, safety, and industrial hygiene. My areas of expertise include environmental disaster management, hazardous materials, emergency management, toxicology, exposure assessment, safety, preparedness, emergency response, community capital building, community sociology, risk perception & decision making, emergency services, public health, and industrial hygiene.

Committee Preference(s)

Chemical Safety for Sustainability and Human Health Risk Assessment Subcommittee
Homeland Security Subcommittee
Sustainable and Healthy Communities Subcommittee

Statement of Interest

I have conducted research in community capitals and preparedness for hazardous materials disasters in rural N.E. Oklahoma. These data appear to be consistent with other rural locations throughout the United States. My passion lies in preparing for disasters or chemical releases, helping communities deal with unknown chemical exposures, and in bolstering community capacity to deal with these types of incidents to increase the resistance and resilience to disasters throughout the United States. I have expertise in industrial hygiene which evaluates exposure to chemicals and toxicological breakdown in humans.

Skills/qualifications related to committee preference(s) specified

My experience lends itself to committees who require skill sets including emergency management, disaster preparedness, hazardous materials response knowledge, social and behavioral understanding related to environmental contamination, and mechanisms used to reduce exposure, and used to mitigate hazardous conditions.

Other Relevant Information**CV/Resume URL****2. CV/Resume**

Please upload your CV/ Resume.

[Robert_Scudder_CV.doc](#)

3.**BOSC Nomination**

May 25, 2017 22:27:52 Success: Email Sent to: tracy.tom@epa.gov

4. Thank You for your Submission!

Curriculum Vitae

Robert Scudder, Ph.D., CIH, CSP, CET

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A large black rectangular redaction box covers the contact information and other details that would typically follow a name and title in a curriculum vitae.

Education

Oklahoma State University, Doctor of Environmental Science, with a specialization in Environmental Disaster Management, May 2017.

University of Central Oklahoma Master of General Education with emphasis in Industrial Safety, 2006-2008.

University of Central Oklahoma post-baccalaureate coursework in Industrial Safety (16 hours), 2005-2006.

Oklahoma State University Bachelor of Science Engineering Technology Degree in Fire Protection & Safety, 1996-1999.

State University of New York at Onondaga Community College Associate of Applied Science in Fire Protection Technology, with Honors, 1994-1996.

State University of New York at Potsdam College, no degree received (42.0 hours), 1992-1994.

Norwich High School Graduated May 1992 Technology Major.

Presentations

University of Central Oklahoma Student Chapter of the American Society of Safety Engineers-*Resume Building 101*, Edmond, OK January 28, 2008.

University of Central Oklahoma Student Chapter of the American Society of Safety Engineers-*Interviewing & Negotiations*, Edmond, OK February 25, 2008.

Rocky Mountain Educational Research Association, *Overcoming obstacles and stressors in a cruise-based class* Tarleton State University, Granbury, TX, October, 2007.

Unified Investigations & Sciences, Inc., *Coping with Indoor Environmental Hazards*, Dallas, TX March 2001, (2 hrs.).

Unified Investigations & Sciences, Inc., *Forensic Evidence Collection & Handling*, Student Association of Fire Investigators, Oklahoma State University, Stillwater, OK 2001; Allstate Insurance Company, Dallas, TX 2001.

Lorman Education, *Moisture & Microbial Growth: Understanding the Relationship*, Fort Worth, TX, November 8, 2001; Austin, TX, & New Orleans, LA January 1, 2002.

Work Experience

8/26/2009-Present **Grand River Dam Authority**-GRDA Safety Coordinator, located in Pryor Creek, OK,. Duties include directing safety activities for thermal and hydroelectric generation, electric transmission, system operations, and administration personnel, including program creation, review, and implementation; researching and implementing programs to reduce hazards, and the risk of injuries and illnesses; providing guidance for safety steering committees for three departments; overseeing safety activities of 2 co-located plant safety professionals; overseeing industrial hygiene sampling; developing and facilitating safety training programs;

coordinating inspections at 12 facilities for over 625 employees to reduce hazards; managing retrofit of fire suppression and alarm notification systems for multiple facilities, including wet and dry-pipe, carbon dioxide, and Halon fire protection systems, to comply with best practices; responding to insurance underwriter and inspector requests for safety and critical system improvement; communicating relevant safety issues to employees; managing ergonomic assessments and recommending changes to prevent repetitive stress illnesses; facilitating and accompanying regulatory inspector inspection of GRDA properties; tracks and trends mishaps and injuries, and reports activities to the CEO and Board of Directors as required; introduced key safety performance indicators (KPI's) designed to begin employee behavior and culture change; researched and implemented flame resistant apparel programs; managed departmental capital and operational budgets; reviews and recommends purchase of equipment; utilized revamped DuPont Take Two Program; ensuring preventative maintenance of existing private fire protection and notification systems;

06/2006-8/25/2009 **Grand River Dam Authority Coal Fired Complex**-Superintendent of CFC Safety Management, located in Chouteau, OK. Duties include updating 22 plant directives to comply with applicable DOT, NFPA, OSHA, and EPA regulations; submitted SARA Title III, Tier II reports to the Oklahoma Department of Environmental Quality; completed the Department of Labor OK 300 Log and followed up with management; prepared and accompanied insurance inspectors and facilitated work orders to shore-up fire protection and prevention programs and systems; responded to emergency situations; investigated mishaps for root causes; and recorded chemical spills and exposures; conducted safety inspections for key OSHA and NFPA items; developed the emergency action plan and conducted training to ensure adequacy; revamped the MSDS and chemical inventory program; reviewed personal protective equipment and recommended changes as needed; facilitated annual fit tests, audiometric and vision testing; and revised the CFC Safety Committee and revisited safety suggestion form use to ensure a vehicle for employee communication; respond to emergencies and chemical spills throughout the Authority; and represent the Authority at the Mayes County Local Emergency Planning Committee (LEPC).

05/2005-06/2006 **CACI, Inc.**-located on-site at Tinker Air Force Base, Oklahoma City, OK, Industrial Safety Engineer. Duties included supervisory guidance regarding applicable OSHA, NIOSH, NFPA, NEC, and ANSI standards; co-authored 12 site-specific confined space programs and assisted with mission specific training; investigated 205 mishaps, determined root causes, generated reports, and tracked mishap rates for command staff briefings; took part in 180 Aircraft Group safety inspections for core Air Force industrial safety items; prepared for three Inspector General inspections; reviewed sanding booth operation, ventilation, and exposure to workers from strontium chromate dusts; assisted in revamping respiratory program notebooks exceeding Air Force criteria; recommended changes to chemical dispensing locations conforming to use and storage limitations of guiding standards; worked with Base Safety Office to provide cooling equipment to eliminated heat-stress mishaps; commented on explosive atmosphere monitoring equipment to replace current meters; Civilian engineers and I reviewed and changed directives and equipment to reduce unsafe conditions or acts including the retrofit of an engine strut lift, and a crane to reduce back injuries; assisted with the investigation of a hazardous chemical exposure, and researched chemical MSDS information.

5/1999-5/10/2005 **Unified Investigations & Sciences, Inc.**, Environmental & Occupational, Health & Safety Consultant, Forensic Technician. Duties included development of the UIS Industrial Hygiene Program, investigating 118 environmental losses, investigations included residential and commercial plan review, chemical and biological sampling using strict sampling methodology, data analysis, remediation plan development, informing workers and the community of the chemical dangers, and inspection of remediation projects for compliance with US EPA, NIOSH, NYCDOH, ASHRAE, and OSHA guidance; researched and recommended cost-effective purchase of sampling equipment; reviewed processes and recommended appropriate PPE selection and purchases; conducted chemical and biological safety training; took part in lead and asbestos investigations; supported hazardous material sites by acting as a resource, entering hazardous atmospheres, and providing training as needed; created PowerPoint seminar programs for subjects including chemical, biological, and fire losses, and taught 4 seminar classes in industrial hygiene; trained employees and conducted peer review of industrial hygiene investigations. Work was performed 40 Hrs./week + as needed.

Awards and Recognition

- GRDA
 - Chosen to representing the Joint Action Agency on the American Public Power Association's Safety Manual Revision Task Force (15 professionals nationwide)
- CACI, Inc.
 - Named an Outstanding Safety Team Member for activities during the Aircraft Group safety inspections from the Air Force Inspector General

Specialized Training-Attended

- Fire & EMS
 - Essentials of Firefighting (39.0 hrs.) New York State
 - *Essentials of Firefighting* (39.0 Hrs.) New York State
 - Firefighter I #322047- International Fire Service Accreditation Congress
 - *Pump Operator Class* (18.0 Hrs.) New York State
 - *Fire Police Class* (9.0 Hrs.) New York State
 - *Fire Investigation Techniques* North Texas Fire Investigator's Association, in association with Advanced Concepts in Training (12.0 Hrs.) July, 1999
 - *Performance Based Standards Symposium* (16.0 Hrs.) Oklahoma State University
 - *Fire & Accident Investigation Symposium* (16.0 Hrs.) Oklahoma State University
 - *Inspecting Fire Protection Valves*-Factory Mutual Global
 - HAZMAT Awareness-International Fire Service Accreditation Congress
 - HAZMAT Operations #1117435-International Fire Service Accreditation Congress
 - 40 Hour HAZWOPER-Gebco Associates
 - HAZMAT Site Safety Supervisor- Oklahoma State University Fire Service Training
 - HAZMAT Marine Specialist-Hot Zone 2011 (10/20/11)
 - HAZMAT Science Officer- Hot Zone 2011 (10/21/11)
 - HAZMAT WMD/Illicit Drug Lab Boot Camp- Hot Zone 2011 (10/22/11)
 - Spill Control Contingency

- Stormwater Pollution Prevention
- New York State Emergency Medical Technician-Defibrillator (110+ Hrs.)
- Emergency Medical Technician #143220-Texas Department of Health lapsed
- Emergency Medical Technician #185378-New York State Department of Health lapsed
- National Safety Council CPR, First Aid, and AED Instructor
- Fire Extinguisher Use (annually)
- Fire Watch
- Fire System Impairment
- Safety
 - Confined space rope rescue
 - OSHA 30 Hour Construction Safety & Health Certified #600064190
 - Introduction to Root Cause Analysis-United States Air Force, course#TE0Q185
 - Root Cause Analysis- Oklahoma Safety Council
 - *OSHA & SARA Regulations: Employee & Community Right-To-Know*-Oklahoma State University CEAT Outreach
 - Powered Industrial Truck Train-The-Trainer
 - Certified GRDA Switchman National Safety Council CPR, First Aid, AED Instructor #890834
 - GRDA Coal Fired Complex Overhead Crane Operator
 - Clearance Program-Coal Fired Complex (Tag Out)
 - Pole-top rescue
 - Office ergonomics
 - CFATS Authorized User
 - Fire Extinguisher Use
 - Office Ergonomics
 - Industrial Ergonomics
- Industrial Hygiene
 - *Remediation & Treatment Technologies*-Oklahoma State University CEAT Outreach
 - *Liability in Industrial Hygiene Consulting, AIHA (8hrs.)*
 - American Industrial Hygiene Association Conference & Exposition
 - *Indoor Air Quality I-Microbial Issues (2 Hrs.)*
 - *Indoor Air Quality II-management & assessment (2 Hrs.)*
 - *Health Effects of Fungal Exposures Indoors (4 Hrs.)*
 - Roundtable discussion on *Assessment and Sampling Approaches for Indoor Microbial Assessments (3 Hrs.)*
 - Microbial Contaminants & Indoor Air Quality: Tools for the Investigator Part I & II (16.0 Hrs.) Oklahoma Section of the American Industrial Hygiene Association
 - Healthy Indoor Environments 2000: Asthma & Allergen Control (32.0 Hrs.) The University of Tulsa Center for Environmental Research and Technology in association with the United States Environmental Protection Agency
 - Molds in the Indoor Environment-Symposium 2000 (8 Hrs.) North Texas Section of the American Industrial Hygiene Association
 - Mold Mitigation & Restoration SERVPRO seminar January 16, 2002 (4 Hrs.)

- Emergency Management
 - National Incident Management System 100, 200, 300, 400, & 700
 - Introduction to Cameo, Marplot, and Aloha hazard planning software (8 hrs.)
 - Advanced Techniques in Cameo, Marplot, and Aloha Software (8 hrs.)
 - *Principles of Emergency Management* FEMA Independent Study Class IS-230
 - *Decision Making & Problem Solving* FEMA Independent Study Class IS-241
 - *Anticipating Hazardous Weather & Community Risk* FEMA Independent Study IS-271
- Management
 - P-Card Regulations
 - Purchasing Ethics
 - Leading Employees Through Change

Specialized Training-Taught

- Confined Space Entry & Permitting
 - Sampling
 - RKI Instruments GX-82 & GX-82A meter use
 - BW Technologies Gas Alert Clip 2 hydrogen sulfide meter
 - Mine Safety Appliances
 - Altaire-5 four-gas meter
 - Galaxy calibration & charging station
- Clearance Procedure-System Operations (Tag Out)
- PPE
 - Respiratory protection & qualitative fit testing
 - Hearing conservation
 - Self-contained breathing apparatus use & Mask Confidence
 - Glove selection & use
 - Chemical protective clothing
- Chemical safety
 - Chlorine injection system
 - Chlorine “B” kit application
 - Employee exposure guidelines
 - 1-Ton cylinder change standard operating procedures
 - Aqueous Ammonia & hydrazine safety
 - Emergency response to unanticipated releases
 - Zebra Mussel chemical treatment precautions
- Ladder safety
- Fall Protection
 - North Chimney Climber System
 - General industry fall protection
 - Construction industry systems
 - Retractable lanyard use
 - First-man-up tool use
- Regulated workplace
 - Hexavalent chromium
 - Refractory ceramic fiber

- Volatile organic compounds
- Barrier tape program
- Combustible dust
 - Explosion prevention
 - Fire fighting procedures
 - Equipment rated for Class II division II(f)
 - Housekeeping procedures
 - Explosion-proof vacuum use
 - Pressurization of enclosed work areas
 - Hot Work Program
- Flammable Gas
- Class I division I (A & B)
 - Storage of compressed & hazardous gasses
 - Confined space hazard introduction
 - Hot Work Program
- Hearing conservation program
- Contractor safety orientation
- Industrial hygiene
 - Perform hazardous chemical work during vacant periods
 - Ventilation to reduce exposure
 - Use of less hazardous chemicals to reduce hazards
 - 3M 950 Chlorine & photoionization meter
- National Safety Council cardiopulmonary resuscitation, first aid, & automatic external defibrillator
- Bloodborne pathogens
- OSHA 300 recordkeeping
- Excavation safety, shoring, and qualified inspector
- Hazard communications program & NFPA 704 placarding
- US Department of Transportation hazardous shipping rules
- Emergency action plan
 - Evacuating non-ambulatory personnel
 - Emergency communications
 - Radio & In-plant (Gaitronics) communication systems
 - Evacuation & shelter-in-place
- Fire extinguisher selection & use
- Safety committee workplace inspector training
- Morse Hydralift 55-gallon barrel turner to reduce back injuries
- Oklahoma Department of Environmental Protection/US Environmental Protection Agency
 - Spill Prevention, Control, and Countermeasures (SPCC)
 - Storm-water Pollution Prevention (SWPP)

Certifications

- American Board of Industrial Hygiene, Certified Industrial Hygienist #10373 CP
- Board of Certified Safety Professionals, Certified Safety Professional #20747

- Board of Certified Safety Professionals, Certified Environmental Safety & Health Trainer, #13157
- International Fire Service Accreditation Congress
 - HAZMAT Awareness
 - HAMAT Operations
- US Department of Transportation Hazardous Shipping Rules

Volunteer Experience

Mayes County Office of Emergency Management Hazardous Materials Section Officer (Current)
 City of Wylie, Texas Emergency Volunteer Resource Center Squad Leader
 City of Wylie, Texas Fire Department volunteer/paid firefighter (1.5 Yrs.)
 South Onondaga, New York Fire Department, two years Bunk-In Sergeant & firefighter
 Onondaga County, New York Fire Investigator volunteer internship (2 months)
 City of Norwich, New York Fire Department, seven years Interior Firefighter
 City of Norwich, New York Emergency Squad, six years EMT-D

Professional Organizations & Service

American Society of Safety Engineers Delegate, Tulsa Chapter 2014-2015
 American Society of Safety Engineers, Region III PDC Exhibitor & Sponsorship Chair, 2015-16
 American Society of Safety Engineers #010005289
 American Industrial Hygiene Association-Student Member (AIHA) #187196
 Oklahoma Section of the AIHA (Past Member)
 American Conference of Governmental Industrial Hygienists #307859-00

References

Available upon request